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APPLICATION NO.	FI	LING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/679,138 10/03/2003		Tanya L. Niemeyer	59673-52	3651		
22504	7590 05/12/2006			EXAMINER		
DAVIS WR	IGHT TI	REMAINE, LLP	EVERHART, CARIDAD			
2600 CENTU	JRY SQU	ARE				
1501 FOURT	TH AVEN	UE	ART UNIT	PAPER NUMBER		
SEATTLE, '	WA 9810	01-1688	2891			

2891

DATE MAILED: 05/12/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

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-		Application No.	Applicant(s)	-4-
		10/679,138	NIEMEYER, TANYA L.	
	Office Action Summary	Examiner	Art Unit	_
		Caridad M. Everhart	2891	
Period fo	The MAILING DATE of this communication app or Reply	ears on the cover sheet with the c	orrespondence address	
WHIC - Exter after - If NO - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DANSIONS of time may be available under the provisions of 37 CFR 1.13 SIX (6) MONTHS from the mailing date of this communication. or period for reply is specified above, the maximum statutory period were to reply within the set or extended period for reply will, by statute, reply received by the Office later than three months after the mailing ed patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tim will apply and will expire SIX (6) MONTHS from a cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).	
Status				
2a)□	Since this application is in condition for allowar	action is non-final. nce except for formal matters, pro		
	closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	33 O.G. 213.	
Dispositi	on of Claims			
5)□ 6)⊠ 7)□	Claim(s) 1-32 and 39-44 is/are pending in the a 4a) Of the above claim(s) is/are withdray Claim(s) is/are allowed. Claim(s) 1-32 and 39-44 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or	vn from consideration.		
Applicati	on Papers			
10)	The specification is objected to by the Examine The drawing(s) filed on is/are: a) access applicant may not request that any objection to the Replacement drawing sheet(s) including the correction of the oath or declaration is objected to by the Example.	epted or b) objected to by the Edrawing(s) be held in abeyance. See ion is required if the drawing(s) is obj	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).	
Priority u	ınder 35 U.S.C. § 119			
a)[Acknowledgment is made of a claim for foreign All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the priority application from the International Bureau see the attached detailed Office action for a list of	s have been received. s have been received in Application ity documents have been received (PCT Rule 17.2(a)).	on No ed in this National Stage	
Attachment	t(s) e of References Cited (PTO-892)	4) Interview Summary	(PTO-413)	
2) 🔲 Notica 3) 🔲 Inform	e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) r No(s)/Mail Date	Paper No(s)/Mail Da		

Application/Control Number: 10/679,138

Art Unit: 2891

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 2-27-2006 has been entered.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-5,15,16,17,18,28,29,30,31,32, and 39-44 are rejected under 35 U.S.C. 102(e) as being anticipated by Degani (US 2005/0038619A1).

Degani discloses a method for analyzing MRI contrast images(paragraph 0005 and 0006) and the analysis is done by machine and is a dynamic analysis and is both space and time dependent(paragraph 0005 and 0007). The process is contrast enhanced(paragraph 0011). The initial increase in intensity following the contrast

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administration is detected(paragraph 0057). Following this, the washout behavior of the tissue volume exhibiting washout behavior is analyzed (paragraph 0069 relates pixels to initial wash-in intensity and paragraph 0051 relates volume to pixel intensity, so that the volume is related to intial behavior in paragraph 0069, and the washout behavior is then analyzed as disclosed in paragraph 0057). The imaging is of the breast(paragraph 0005). Pixels are identified as associated with a malignancy(paragraph 0031), and as cited above, pixels are identified with voxels. Figures 13, 14, and 15 show three types of wash out behavior, with 14 showing plateau and 13 showing enhancement and 15 showing washout. The rate of change of the washout is an important parameter in detecting the malignancy, and the rate of change is the slope(paragraph 0005). The rate of change in signal intensitive is an important parameter in detecting breast masses(paragraph 0005 and 0056) and an intensity function is calculated(paragraph 0056). The output is in the form of a curve with the intensity points calculated from 3 time points (3TP images) according the the method taught by Degani(Fig. 20). Degani further teaches software, which is computer readable medium for carrying out the calculations described and including the normalization calculations shown in paragraph 0084 (paragraph 0110).

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

⁽a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

Claims 6-14, 19-27 are rejected under 35 U.S.C. 103(a) as being unpatentable over Desani as applied to claim 1 above.

Degani is silent with respect to the value of the slope recited and the steps as recited of comparing a slope to a threshold value.

Although Degani is silent with respect to the steps of comparing the slope, it would have been obvious to one of ordinary skill in the art at the time of the invention that Degani encompasses this step, as Degani discloses that there is a calibration map(paragraph 0010) that is calculated and therefore that values are compared by the apparatus and that the intensity function is one of the values calculated and therefore a calibration map would be generated for this value(paragraph 0056 and 0071) and that the slope of values are calculated and compared with the calculated value is disclosed by that the rate of change, which is the slope, is one of the parameters that is calculated and compared(paragraph 0070).

. . .

It would have been obvious to one of ordinary skill in the art at the time of the invention to have chosen the recited value of the slope because the slope is a variable of the art, as shown by Degani in paragraph 0005 and in Fig. 13, 14, and 15 as cited above.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Caridad M. Everhart whose telephone number is 571-272-1892. The examiner can normally be reached on Monday through Fridays 7:30-4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, B. Baumeister can be reached on 571-272-1722. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

CAPIDAD EVERHART PRIMARY EXAMINER

C. Everhart 5-6-2006